

SPECIFICATION AMENDMENTS

Please correct the paragraph running from line 15 of page 18 to line 2 of page 19 as follows:

The field generators 17 and 14 produce modulation magnetic field 18 and the sensing magnetic field 15. The response magnetic field 19 is picked up by a differential, that is a gradiometric, induction coil serving as the magnetic field sensor. The coil is so constructed that it is composed of two identically fabricated but mutually oppositely wound, series-connected partial coils into only one of which ~~is immersed in~~ the analyte in vessel 12 is immersed. In this manner it is possible advantageously to hold the parasitic effects of the direct induction of an electric voltage at the scanning frequency as low as possible so that the amplitude of the scanning magnetic field 15 can be selected to be very high without overdriving the preamplifier of the magnetic field sensor 20. In this manner an increase in the sensitivity of the apparatus can be achieved.